

<110> GENEIN CO., LTD.  
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PARK, Hee-Kyung

<120> Oligonucleotide for genotyping of Mycoplasma, microarray  
comprising the oligonucleotide, and method for detection of  
species using the microarray

<130> PN053079

<160> 133

<170> KopatentIn 1.71

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agttttgaga gaacattctc tcatatgttc tttgaaaact gaatagtaaa atatttttcg 180  
atattttacaa cgacatcaaa aatcaaatta atgggtaatt tgttttgatt catcgagtaa 240  
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tatatttata aatact 196

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acataacaaa acaact 196

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atttcaaagt ttagatcaac ctatagaata caaaatcaat acaatagggtc aatactatac 180  
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gcctaaaagt cttatatcta gttttgagag gacatcctct ctaattgttc ttgaaaact 180  
gaatagtaaa ttttttgata tttaaacga catctaaata attgaattaa gtcaatttgt 240  
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agagaacaac ctctcttaaa attgttcttt gaaaactaaa tagtaataaa gatattacaa	180
cgacatcaaaa aatataaaatt aattaagggtt aatttgtttt gataccgagt ttaaattatt	240
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<400> 11  
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<210> 12  
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<223> Probe for detecting M. bovis, etc.

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<210> 13  
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<223> Probe for detecting M. bovis, etc.

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<223> Probe for detecting *M. bovis*, etc.

<400> 14  
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<210> 17  
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<400> 17  
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<210> 18  
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<400> 18  
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17

<210> 19  
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<223> Probe for detecting *M. neurolyticum*, etc.

<400> 19  
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16

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<223> Probe for detecting *M. genitalium*, etc.

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21

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<400> 21  
aataagttac taagggctta t

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<210> 22  
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<223> Probe for detecting *Acholeplasma*

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<210> 25  
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<400> 28  
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<210> 29  
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<210> 34  
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<400> 34

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<210> 52  
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<223> Probe for detecting *M. opalescens*

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catcataatg taaccaatac 20

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<210> 54  
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<213> Artificial Sequence

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<213> Artificial Sequence

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<210> 61

<211> 21

<212> DNA

<213> Artificial Sequence

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<400> 61

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<210> 62

<211> 21

<212> DNA

<213> Artificial Sequence

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<210> 67  
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<210> 72

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<220>

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<400> 72

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21

<210> 73

<211> 21

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<210> 74

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<400> 74

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<210> 75

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<223> Probe for detecting *M. pulmonis*

<400> 75  
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<210> 76  
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<400> 76  
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<210> 77  
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<210> 78  
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<210> 80  
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<210> 82  
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<400> 82  
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<210> 83  
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<212> DNA  
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<220>  
<223> Probe for detecting *M. salivarium*

<400> 83  
taatggattt aattttcgtg 20

<210> 84  
<211> 19  
<212> DNA  
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<220>  
<223> Probe for detecting *M. falconis*

<400> 84  
gagtacaact tctgttatg 19

<210> 85  
<211> 21  
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<220>  
<223> Probe for detecting *M. salivarium*

<400> 85  
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<210> 86  
<211> 21  
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<400> 86  
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<210> 87  
<211> 21  
<212> DNA  
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<400> 87

tagaatattc aagacatata c 21

<210> 88  
<211> 21  
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<400> 88  
agaatacaaaa aatatagaca a 21

<210> 89  
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<400> 89  
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<210> 90  
<211> 21  
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<400> 90  
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<210> 91  
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<400> 91  
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<210> 92  
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<400> 92  
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<210> 94  
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<400> 95  
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<210> 96  
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<400> 96  
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<210> 97  
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<210> 99  
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<400> 99  
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<210> 100  
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<210> 101  
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<400> 102  
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<210> 103  
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tttgttatgt gacttttatg g 21

<210> 104

<211> 21  
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<400> 104  
aaaacaaaca atctatacaa t 21

<210> 105  
<211> 20  
<212> DNA  
<213> Artificial Sequence  
  
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<223> Probe for detecting *M. synoviae*

<400> 105  
ttggcttggg ctattgtatt 20

<210> 106  
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<223> Probe for detecting *M. synoviae*

<400> 106  
gcggttgtgt atcgcttttt t 21

<210> 107  
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<400> 107  
acctctctta aaattgttct t 21

<210> 108  
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<400>	108	
	ccgagtttaa attattgaat a	21
<210>	109	
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<223>	Probe for detecting <i>M. synoviae</i>	
<400>	109	
	catcataaca acataacaat a	21
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<400>	111	
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<220>

<223> Probe for detecting *M. pneumoniae*

<400> 112

ctaaacaaaa catcaaaatc c

21

<210> 113

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Probe for detecting *M. pneumoniae*

<400> 113

aaagaacatt tccgcttctt t

21

<210> 114

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Probe for detecting *M. genitalium*

<400> 114

caccccttaa ttttttcgg

19

<210> 115

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Probe for detecting *M. genitalium*

<400> 115

aatggagttt ttatttttta tttta

24

<210> 116

<211> 21

<212> DNA

<213> Artificial Sequence

<220>  
<223> Probe for detecting M. genitalium

<400> 116  
cccaaatcaa tgtttggtct c 21

<210> 117  
<211> 21  
<212> DNA  
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<220>  
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<400> 117  
caactaacac acttggtcag t 21

<210> 118  
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<212> DNA  
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<220>  
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<400> 118  
agaatgtttt tgaacagttc 20

<210> 119  
<211> 21  
<212> DNA  
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<220>  
<223> Probe for detecting M. genitalium

<400> 119  
tagttccaaa aataaatacc a 21

<210> 120  
<211> 23  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Probe for detecting M. bovis

<400> 120  
tataacccaaa attaaaaagac cta 23

<210> 121  
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<212> DNA  
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<220>  
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<400> 121  
gtcatggcctt ttattaatag g 21

<210> 122  
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<212> DNA  
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<220>  
<223> Probe for detecting U. urealyticum

<400> 122  
cattaagttg tcagtgaa 18

<210> 123  
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<220>  
<223> Probe for detecting U. urealyticum

<400> 123  
taatttacgt actaataagt g 21

<210> 124  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Probe for detecting U. urealyticum

<400> 124

tttattaaaa tccatatgaa t

21

<210> 125

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Probe for detecting U. urealyticum

<400> 125

aagccacttt tttaaaaatt t

21

<210> 126

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Probe for detecting U. urealyticum

<400> 126

ccataataat taatttatta t

21

<210> 127

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Probe for detecting U. urealyticum

<400> 127

attatcaaca aatctttcta a

21

<210> 128

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Probe for detecting A. laidlawii



<400> 128  
aacacttagc acaagatgac 20

<210> 129  
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<212> DNA  
<213> Artificial Sequence  
  
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<223> Probe for detecting A. laidlawii

<400> 129  
ctttctaagg agaaaggcta a 21

<210> 130  
<211> 21  
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<223> Probe for detecting A. laidlawii

<400> 130  
atgactacta gtaagtagta a 21

<210> 131  
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<223> Probe for detecting A. laidlawii

<400> 131  
gtagtaatat tctctaaatt t 21

<210> 132  
<211> 21  
<212> DNA  
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<220>  
<223> Probe for detecting A. laidlawii

<400> 132  
ttaaagtaat ttaagtgttt c 21

<210> 133  
<211> 21  
<212> DNA  
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<220>  
<223> Probe for detecting A. laidlawii

<400> 133  
taaattgatgt ctgaaaagaa a 21